

What is claimed is:

1. A sheet material handling device comprising:

- a base structure;
- a pivoting sheet support mounted to the base structure, the pivoting sheet support having a rear frame member and first and second journalled hinge elements carried on the rear frame member the hinge elements allowing the pivoting sheet support to pivot on the base structure;
- a left and a right frame member attached to the rear frame member of the pivoting sheet support;
- the pivoting sheet support further having a front frame member spaced apart from the rear frame member and attached to the left and right frame members, the front frame member supporting a tube receiver having a stub, the tube receiver carried on the front frame member and rotatable thereon; and
- one leg removably carried in the stub of the tube receiver.

2. The invention in accordance with claim 1 wherein the first and second journalled hinge elements may be moved transversely on the rear frame member.

3. The invention in accordance with claim 2 wherein one of the first and second journalled hinge elements is restrained from transverse movement on the rear frame member.

4. The invention in accordance with claim 2 further comprising a split collar carried on the front frame member, the split collar located adjacent the tube receiver, whereby the tube receiver is restrained from movement along the front frame member.

5. The invention in accordance with claim 1 further comprising a pin attached to the pivoting sheet support away from the journalled hinge elements carried on the rear frame, whereby the pin will assist in supporting sheet material on the pivoting sheet support.

6. The invention in accordance with claim 1 wherein the base structure comprises;

- a first side triangle having;

a vertical tube with a lower portion and an upper portion;
a base stringer attached to the lower portion of the vertical tube; and
a diagonal stringer attached to the base stringer and to the upper portion of the vertical tube.

7. The invention in accordance with claim 6 further comprising a second side triangle, the second side triangle having;

a vertical tube with a lower portion and an upper portion;
a base stringer attached to the lower portion of the vertical tube; and
a diagonal stringer attached to the base stringer and to the upper portion of the vertical tube.

8. The invention in accordance with claim 7 further comprising a transverse stringer extending from the first side triangle to the second side triangle wherein the first triangle and the second triangle are adjustable spaced apart on the transverse stringer.

9. The invention in accordance with claim 7 further comprising a slidable vertical tube carried by the vertical tube between the upper end of the vertical tube and a journalled hinge element of the pivoting sheet support.

10. The invention in accordance with claim 9 wherein the vertical tube comprises;
a series of aligned through holes; and
a pin inserted in one of the aligned through holes, wherein the slidable vertical tube is retrained from moving through the full length of the vertical tube by the pin.

11. The invention in accordance with claim 9 wherein the leg carried in the tube receiver of the front frame member is of a length sufficient to locate the front frame member of the pivoting sheet support on the same plane as the rear frame member of the pivoting sheet support.

12. The invention in accordance with claim 7 further comprising a rear transverse stringer extending from the base stringer of the first side triangle proximate the vertical tube thereof to the base stringer of the second side triangle proximate the vertical tube thereof.

13. The invention in accordance with claim 12 wherein the first and the second side triangles can be moved toward or away from each other while connected to the transverse stringer and the rear transverse stringer.

14. The invention in accordance with 6 wherein the base member further comprises:

- a rear stabilizer formed at the juncture of the vertical tube and the base stringer;

- a bore providing element attached to the base proximate the rear stabilizer;

- a stabilizer extension slidably carried in the bore providing element and extendable therefrom.

15. A sheet material handling device comprising:

- a base structure, the base structure having a first and a second side triangle, each triangle having;

 - a vertical tube with a lower portion and an upper portion;

 - a base stringer attached to the lower portion of the vertical tube; and

 - a diagonal stringer attached to the base stringer and to the upper portion of the vertical tube;

- a transverse stringer extending from the first side triangle to the second side triangle wherein the first triangle and the second triangle are adjustably spaced apart on the transverse stringer;

- a rear transverse stringer extending from the base stringer of the first side triangle proximate the vertical tube thereof to the base stringer of the second side triangle proximate the vertical tube thereof;

- a pivoting sheet support mounted to the base structure, the pivoting sheet support having a rear frame member and first and second journaled hinge elements carried on the rear frame member the hinge elements allowing the pivoting sheet support to pivot on the base structure;

a left and a right frame member attached to the rear frame member of the pivoting sheet support;

the pivoting sheet support further having a front frame member spaced apart from the rear frame member and attached to the left and right frame members, the front frame member supporting one or more tube receivers, each tube receiver having a stub, the tube receivers carried on the front frame member and rotatable thereon;

a pin attached to the pivoting sheet support away from the journalled hinge elements carried on the rear frame, whereby the pin will assist in supporting sheet material on the pivoting sheet support; and

one or more than one legs each removably carried in one of the stubs of the one or more tube receiver.

16. The invention in accordance with claim 15 further comprising:

a slidable vertical tube carried by the vertical tube between the upper end of the vertical tube and a journalled hinge element of the pivoting sheet support;

the vertical tube having a series of aligned through holes;

a pin inserted in one of the aligned through holes, wherein the slidable vertical tube is restrained from moving through the full length of the vertical tube by the pin positioned in one of the aligned through holes.

17. The method of positioning a sheet of material in a generally horizontal position with a sheet material handling device having a pivoting sheet support carried on an adjustable base including slidable vertical tubes that are height adjustable, the slidable vertical tubes pivotally mounted to the pivoting sheet support, the pivoting sheet support further having a tube receiver and a leg, the method including the acts of:

positioning the pivoting sheet support in a non-horizontal position;

placing and restraining a sheet of material on the pivoting sheet support;

pivoting the pivoting sheet support from a non-horizontal position to a generally horizontal position by raising the pivoting sheet support as it pivots on the pivotally mounted slidable vertical tubes;

positioning a leg in a tube receiver carried on the pivoting sheet support, the leg supporting the pivoting sheet support in a generally horizontal position.

18. The method of claim 17 wherein a sheet of material is to be attached to a plane, the method of positioning a sheet of material further including the act of adjusting the slidable vertical tubes in the base to raise the pivoting sheet support toward the plane to which the sheet of material is to be attached, whereby a sheet of material carried on the pivoting sheet support is in close proximity to the plane to which the sheet of material will be attached.

19. The method of claim 18 including the act of pivoting the pivoting sheet support from a generally horizontal position to a non-horizontal position after the sheet of material is attached to the plane.

20. The method of claim 19 further including the act of removing one or more than one of the legs from the tube receivers to enable the pivoting sheet support to attain a non-horizontal position.